PHOTOGRAPHIC INTERPRETATION REPORT

COMMUNICATIONS FACILITIES AT SELECTED TALL KING - AIR WARNING RADAR FACILITIES, USSR

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JUNE 1967

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9 PAGES

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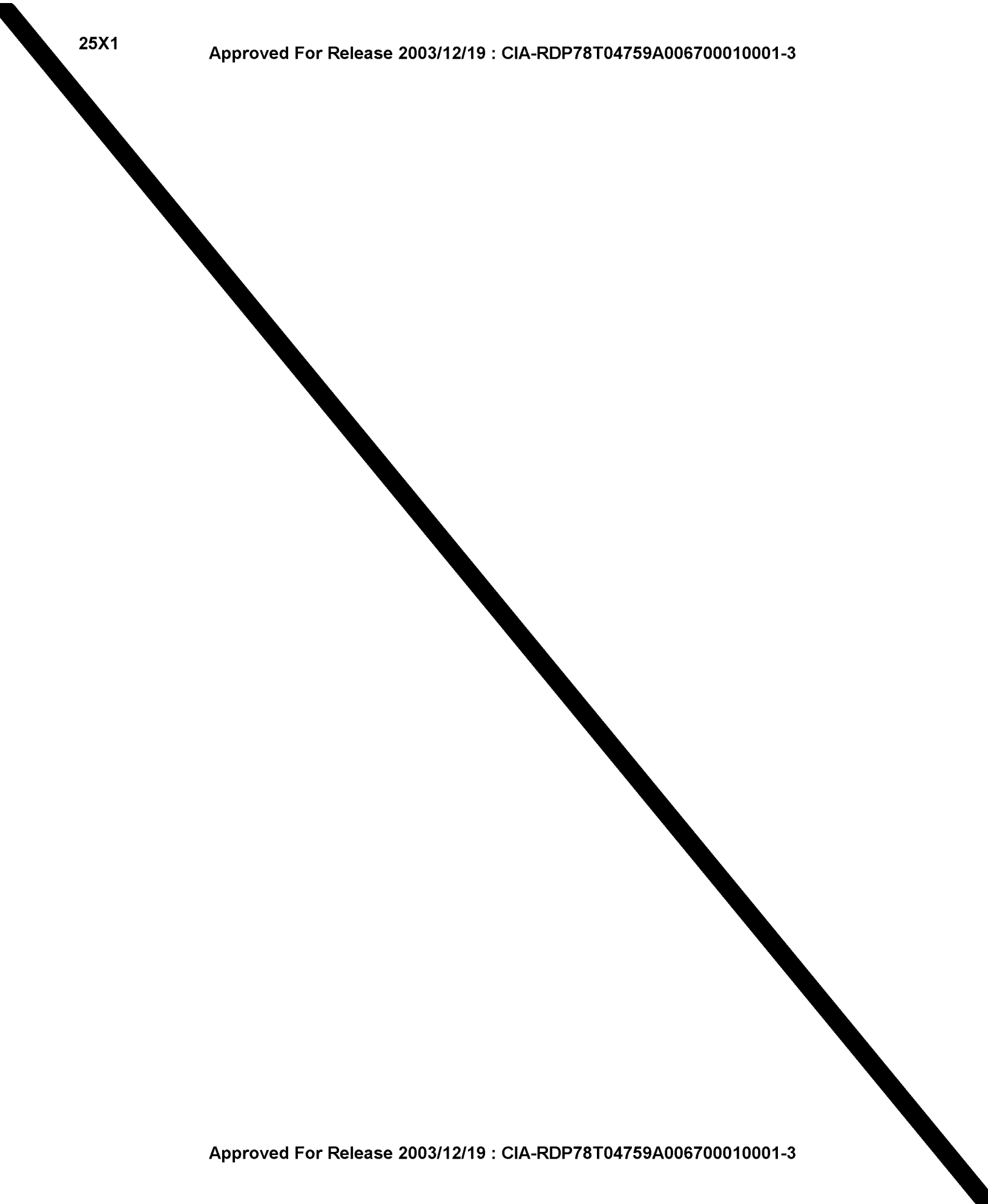

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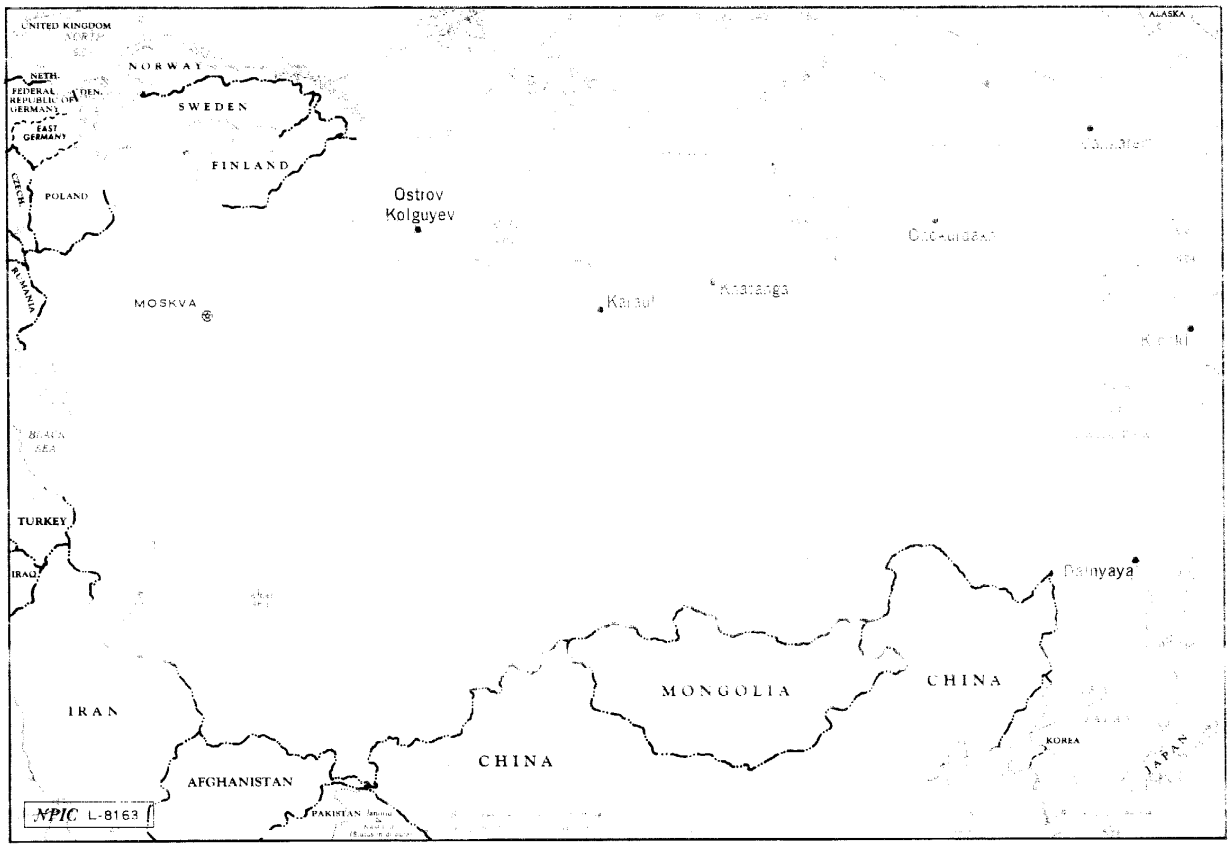

FIGURE 1. LOCATION OF SELECTED TALL KING - AW RADAR FACILITIES

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INTRODUCTION

This report is in response to NSA requirement NSA/P0432/R169-66 which requests a search of areas with 5 nautical mile (nm) radius around 7 TALL KING radar facilities (Figure 1) for HF communications facilities associated with these radar facilities. These facilities include:

Chokurdakh Dual TALL KING - AW Radar Facility at 70-40N 147-50E

Dalnyaya TALL KING - AW Radar Facility at 45-53N 142-65E

Karaul TALL KING - AW Radar Facility at 70-04N 083-12E

Khatanga Dual TALL KING - AW Radar Facility at 71-58N 102-28E

Kronki (Mys Olga) TALL KING - AW Radar Facility at 54-30N 161-18E

Ostrov Kolguyev TALL KING - AW Radar Facility at 69-28N 049-20E

Vankarem TALL KING - AW Radar Facility at 67-50N 175-53E

A review of all [redacted] photography of these 7 facilities showed that some type of communications components could be identified near 5 of them. No communications components have been identified on available photography of either the Karaul or Kronki (Mys Olga) TALL KING facilities. No hardened (subsurface) antennas or bunkered control buildings could be identified on available photography of any of the 7 TALL KING facilities.

Several other TALL KING - air warning (AW) radar facilities, not included in the list above, were compared to these 7 to identify any distinguishing characteristics; however, none were observed on available photography.

COMMUNICATIONS FACILITIES AT SELECTED TALL KING - AW RADAR FACILITIES

Chokurdakh Dual TALL KING - AW Radar Facility

An HF communications facility (Figures 2 and 3) is 0.5 nm west of the TALL KING facility at 70-40N 147-50E, and consists of 1 rhombic antenna, 7 horizontal dipoles, 1 control building,

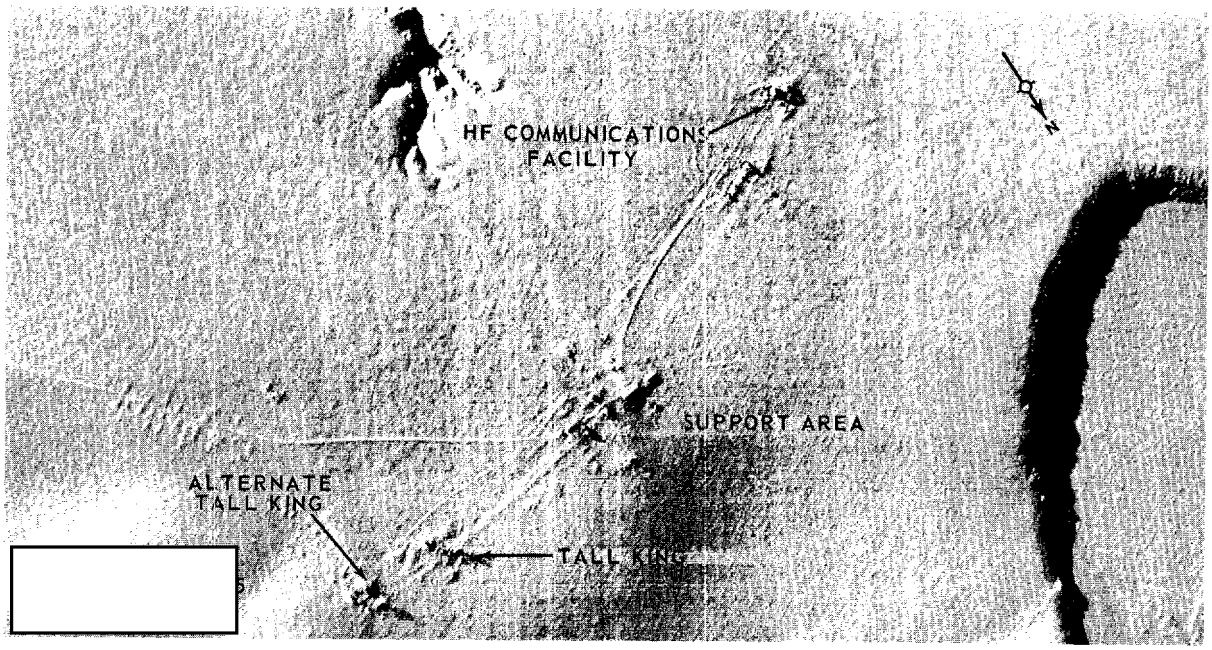

FIGURE 2. CHOKURDAKH DUAL TALL KING - AW RADAR FACILITY.

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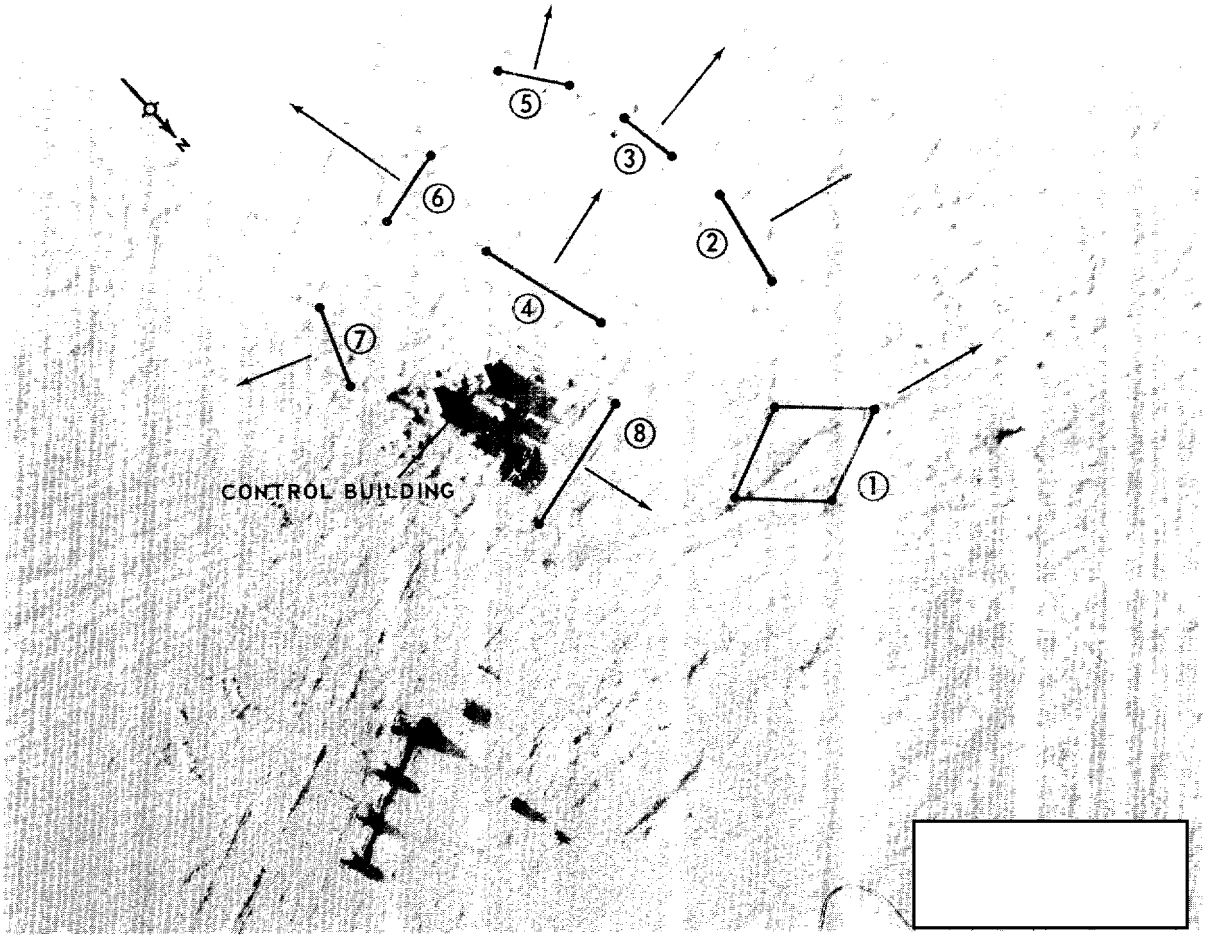

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FIGURE 3. COMMUNICATIONS FACILITIES AT THE CHOKURDAKH DUAL TALL KING - AW RADAR FACILITY.

Table 1. Chokurdakh HF Communications Facility Antennas (Keyed to Figure 3)

Number	Type	Azimuth (In Degrees)	Possible Correspondent
1	Rhombic	[redacted]	Tiksi
2	Horizontal Dipole		Nizhne-Yansk
3	Horizontal Dipole		Dzardzhan
4	Horizontal Dipole		Zhigansk
5	Horizontal Dipole		Sangar
6	Horizontal Dipole		Sredne-Kolymsk
7	Horizontal Dipole		Nizhniye Kresty
8	Horizontal Dipole		Kara

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and 7 support buildings. The azimuthal orientations and possible corresponsents of the antennas are included in Table 1.

The communications facility is connected by road to the TALL KING facility and both are served by a common support area.

Dalnyaya TALL KING - AW Radar Facility

A possible communications facility (Figure 4) is adjacent to the TALL KING facility at 45-53N 142-65E. The facility consists of 2 self-supporting lattice towers and 2 possible control/support buildings.

The unidentified antenna on a mound with 3 gable-roof buildings previously reported 1/ does not appear to be any known type of communications antenna.

Karaul TALL KING - AW Radar Facility

This facility is at 70-04N 083-12E. No communications facilities could be identified on available photography within a 5 nm radius of this TALL KING.

Khatanga Dual TALL KING - AW Radar Facility

This facility is at 71-58N 102-28E. A probable microwave facility (Figure 5) is 3 nm west of the TALL KING at 71-58N 102-28E, and consists of 1 probable microwave tower and 1 probable support building. Resolution of the available photography does not permit identification of the number, the type, or the orientation of the probable microwave elements.

Kronki (Mys Olga) TALL KING - AW Radar Facility

This facility (Figure 6) is at 54-30N 161-18E. No communications facilities can be identified within a 5 nm radius of this TALL KING.

Ostrov Kolguyev TALL KING - AW Radar Facility

This facility is at 69-28N 049-20E. An HF communications facility (Figure 7) is 2,500 feet southeast of the TALL KING - AW Radar facility and consists of 2 horizontal dipoles and 1 control building. Another HF communications

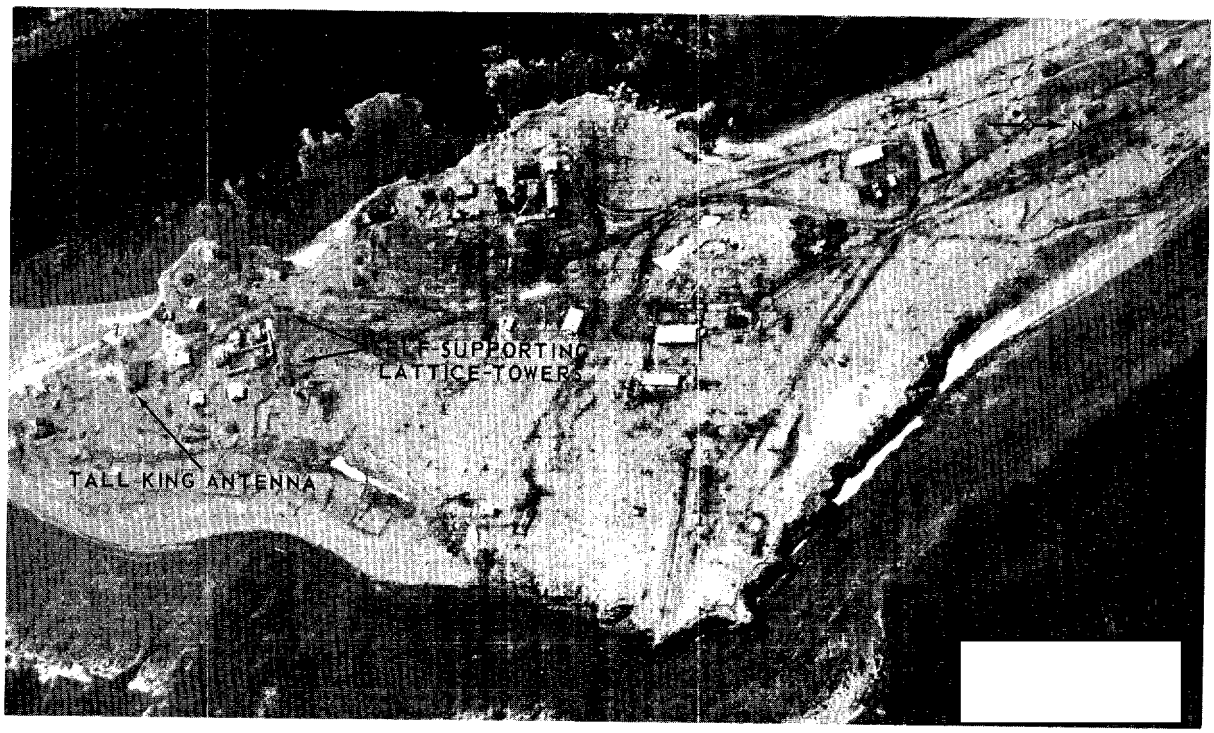

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FIGURE 4. DALNYAYA TALL KING - AW RADAR FACILITY.

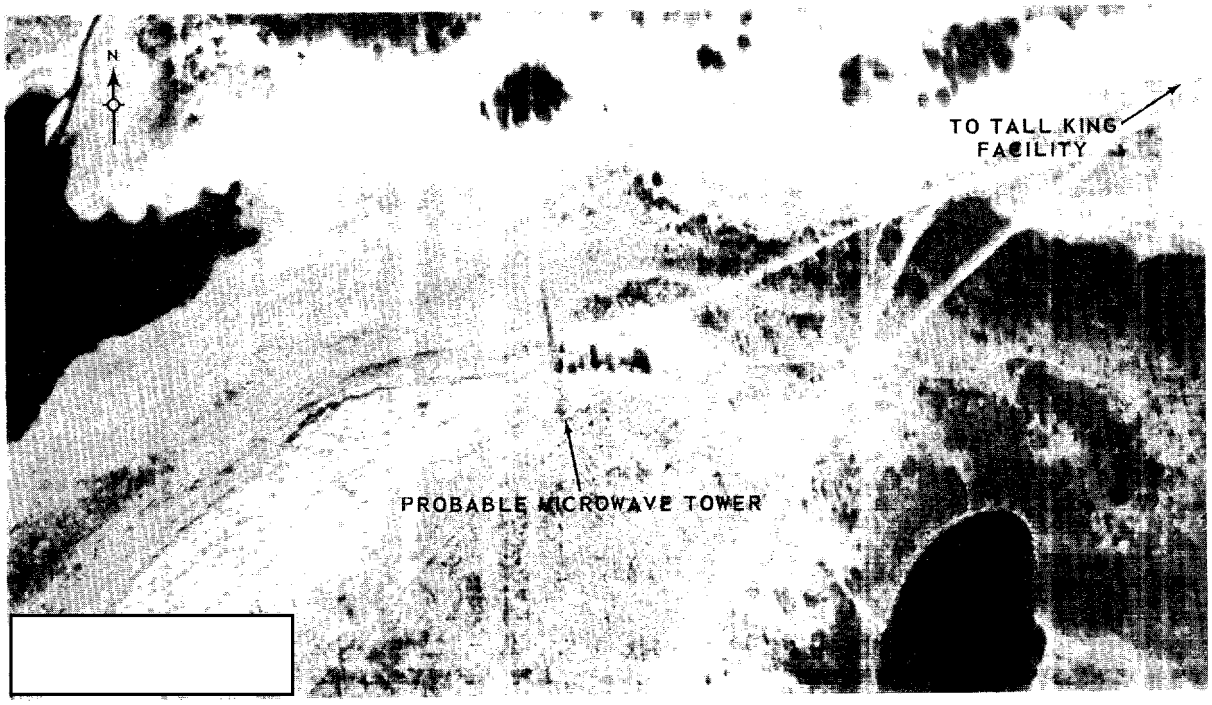

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FIGURE 5. KHATANGA DUAL TALL KING - AW RADAR FACILITY.

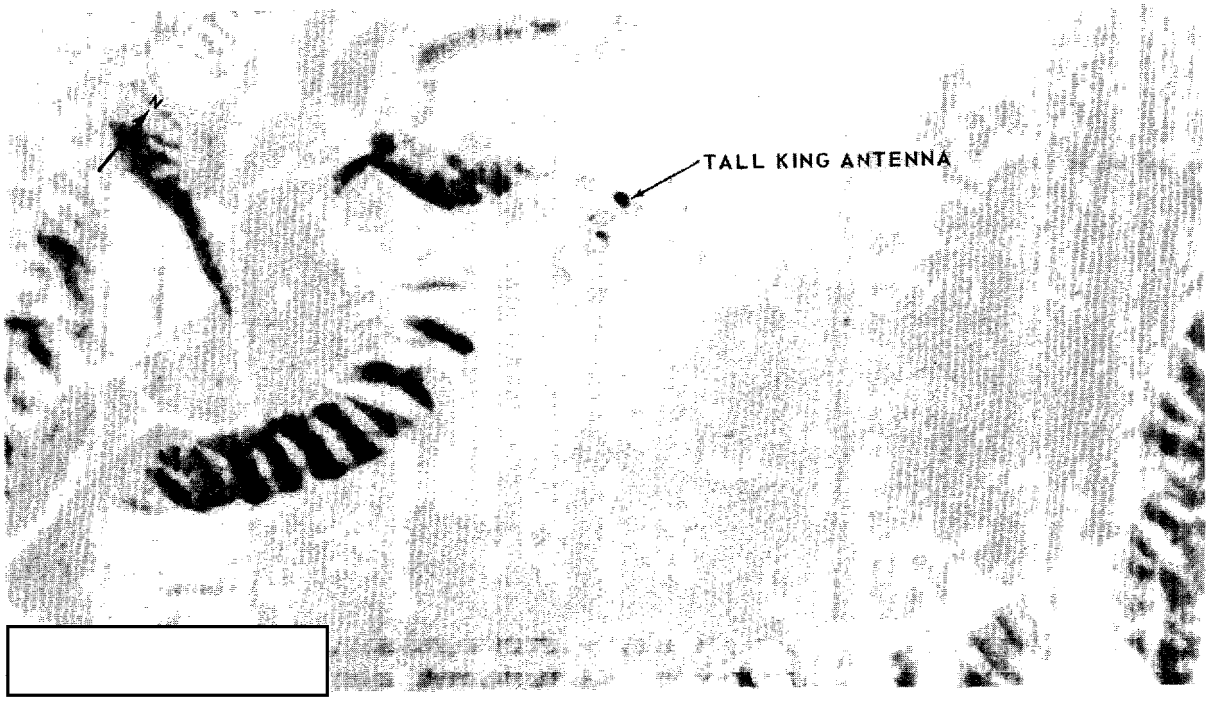

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FIGURE 6. KRONKI (MYS OLGA) TALL KING - AW RADAR FACILITY.

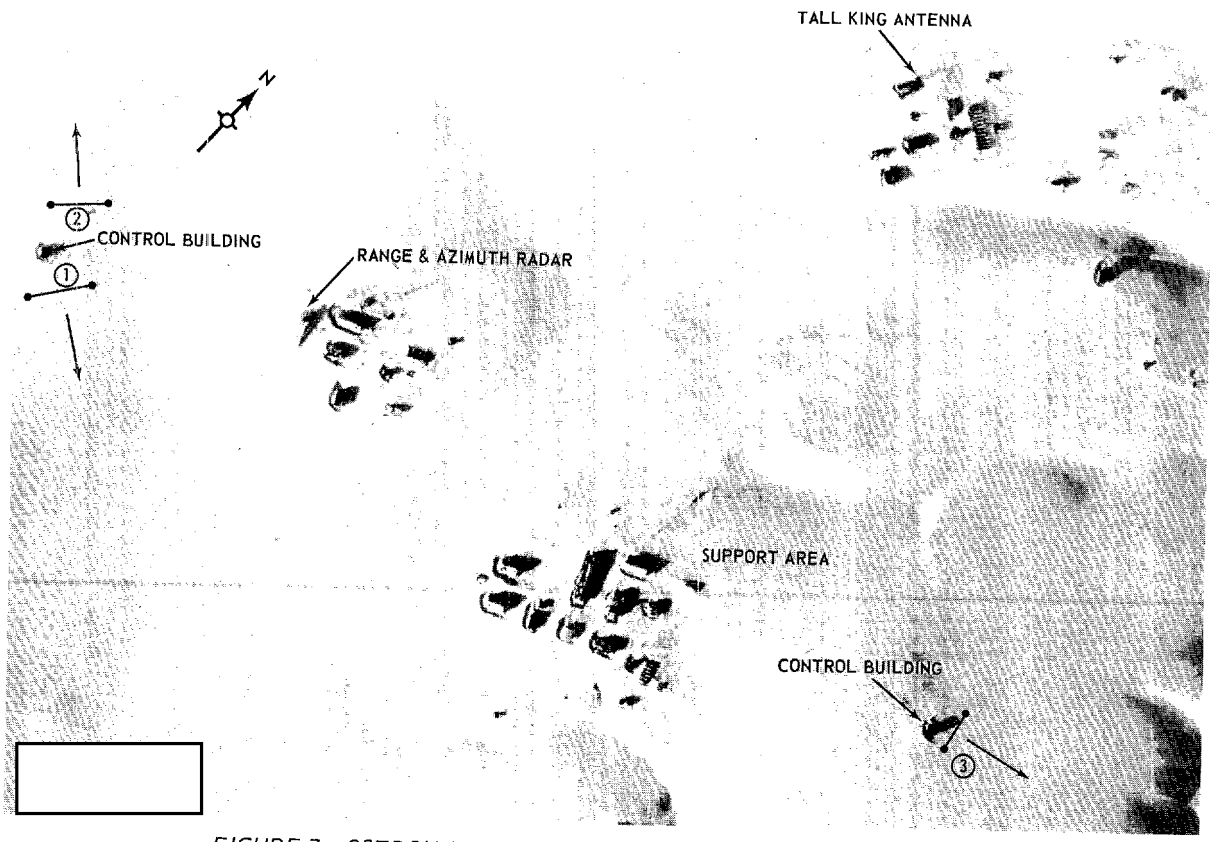

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FIGURE 7. OSTROV KOLGUYEV TALL KING - AW RADAR FACILITY.

Table 2. Ostrov Kolguyev HF Communications Facility Antennas (Keyed to Figure 7)

Number	Type	Azimuth (In Degrees)	Possible Correspondent
1	Horizontal Dipole		Undetermined
2	Horizontal Dipole		Undetermined
3	Horizontal Dipole		Amderma

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facility is 1,500 feet southwest of the TALL KING, and consists of 1 horizontal dipole antenna and 1 control building. Support for both HF communications facilities is common to the TALL KING support area. Azimuthal orientations and possible corresponsents of the antennas within both facilities are included in Table 2.

Vankarem TALL KING - AW Radar Facility

This facility is at 67-50N 175-53E. A microwave facility (Figure 8) is 0.5 nm south of the TALL KING and consists of 1 microwave tower and 1 control building. Resolution of the photography does not permit identification of the number, the type, or the orientation of the microwave elements. The microwave facility is connected by road to the TALL KING facility and both are served by a common support area.

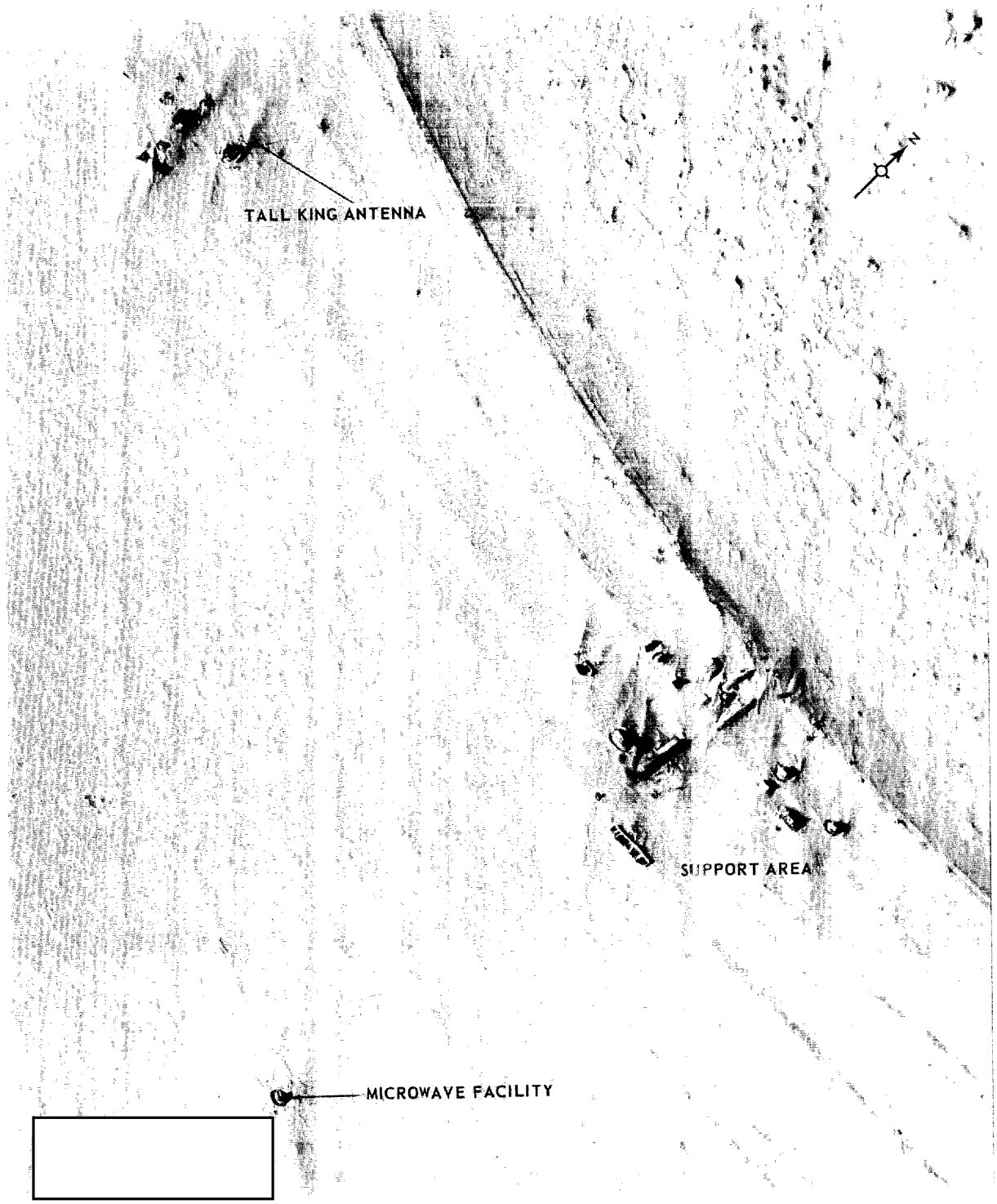

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FIGURE 8. VANKAREM TALL KING - AW RADAR FACILITY.

REFERENCES

PHOTOGRAPHY

25X1D [redacted]

MAPS OR CHARTS

ACIC series, scale 1:200,000

DOCUMENT

25X1 1. NPIC. [redacted] *Electronic Equipment, Dalnyaya Area, USSR,* Jul 65 (TOP SECRET [redacted]) 25X1

REQUIREMENT

NSA/P0432/R169-66

NPIC PROJECT

11396/67

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